Questions for ch 4 & 5 notes Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. What type of growth do organisms undergo?\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
2. Match the graph that indicates the following: S, J, straignt line AND DRAW THEM
   1. Linear growth
   2. Exponential growth
   3. Carrying capacity reached
3. What is demography?
4. Describe what is occurring to the countries indicated on the 3rd slide.
   1. Top line- starts w/zig-zag
   2. Line starts high, but straight and drops
   3. Line starts low and rises
5. List 4 forms of environmental resistance \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
6. Why will Bulgaria have problems in the future taking care of retirees?
7. What are the 4 stages on an Age-Sex Graph? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
8. Why will Kenya have a hard time reaching zero population growth?
9. What is zero population growth?
10. Do all populations have the same carrying capacity? EXPLAIN!
11. Use Passenger Pigeons to explain critical minimum number.
12. What are the 2 types of life history patterns?
13. Give 2 examples of species which have a rapid life-history. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_
14. What factors do they have in common? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
15. Give 2 examples of species with a slow life-history \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
16. What type of growth pattern do you think we have in Wyoming? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Explain your choice.
17. **Density Dependent factors** increase in large populations while **density independent** factors are not affected. Classify the following as density dependent or independent.
    1. **Pollution-**
    2. **War-**
    3. **Starvation-**
    4. **Global warming**
    5. **competition**
18. What is the doubling time of a country with a growth rate of 1%?
19. Which age structure best indicates a population of a stable island population? Explain
20. Which will have a larger biodiversity, a rain forest in the tropics or a forest in Alaska?
21. Why is biodiversity important? List 3-\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
22. Humans have caused most extinctions. (true/false)
23. What is the difference between an endangered and threatened species?
24. What are 4 big reasons for the loss of biodiversity?
25. Which hurts biodiversity the most- 1000 acres broken up into 40 acre homesteads or that have 2 X as many people located in villages, surrounded by green spaces like woods?
26. Bear are more likely to be found in \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (large/small) land areas.
27. Habitat degradation includes \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ and \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
28. Describe the number of native fish to foreign fish in florida.
29. What is conservation Biology?
30. What steps are used o protect species?
    1. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ protects the species that live in them
    2. The endangered species Act makes it illegal to \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
    3. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_-help migrating organisms and helps reduce inbreeding.
    4. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_- is where they are released where they once lived. A problem with those raised in captivity is that they \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
31. How are plant species protected?